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FOR UTILITY/DESIGN
CIP/PCT NATIONAL/PLANT
ORIGINAL/SUBSTITUTE/SUPPLEMENTAL
DECLARATIONS

RULE 63 (37 C.F.R. 1.63)
DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATION
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PW
FORM

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the INVENTION ENTITLED _____
METHODS OF RESTORING TELOMERE LENGTH AND EXTENDING CELL LIFESPAN USING NUCLEAR TRANSFER

the specification of which (CHECK applicable BOX(ES))

A. is attached hereto.
BOX(ES) → B. was filed on March 16, 2000 as U.S. Application No. 09/527,026
→ C. was filed as PCT International Application No. PCT/ / on /

and (if applicable to U.S. or PCT application) was amended on _____

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose all information known to me to be material to patentability as defined in 37 C.F.R. 1.56. Except as noted below, I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT International Application which designated at least one other country than the United States, listed below and have also identified below any foreign application for patent or inventor's certificate, or PCT International Application, filed by me or my assignee disclosing the subject matter claimed in this application and having a filing date (1) before that of the application on which priority is claimed, or (2) if no priority claimed, before the filing date of this application:

PRIOR FOREIGN APPLICATION(S)	Date first Filed- open or Published	Date Patented or Granted	Priority NOT Claimed
<u>Number</u>	<u>Country</u>	<u>Day/Month/Year Filed</u>	

If more prior foreign applications, X box at bottom and continue on attached page.

Except as noted below, I hereby claim domestic priority benefit under 35 U.S.C. 119(e) or 120 and/or 365(c) of the indicated United States applications listed below and PCT international applications listed above or below and, if this is a continuation-in-part (CIP) application, insofar as the subject matter disclosed and claimed in this application is in addition to that disclosed in such prior applications, I acknowledge the duty to disclose all information known to me to be material to patentability as defined in 37 C.F.R. 1.56 which became available between the filing date of each such prior application and the national or PCT international filing date of this application:

PRIOR U.S. PROVISIONAL, NONPROVISIONAL AND/OR PCT APPLICATION(S)	Status	Priority NOT Claimed
<u>Application No. (series code/serial no.)</u>	<u>Day/Month/Year Filed</u>	<u>pending, abandoned, patented</u>
60/179,486	1 February 2000	abandoned
60/152,340	7 September 1999	abandoned

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

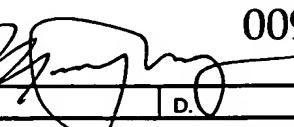
And I hereby appoint Pillsbury Winthrop LLP, Intellectual Property Group, telephone number (703) 905-2000 (to whom all communications are to be directed), and persons of that firm who are associated with USPTO Customer No. 909 (see below label) individually and collectively my attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and with the resulting patent, and I hereby authorize them to delete from that Customer No. names of persons no longer with their firm, to add new persons of their Firm to that Customer No., and to act and rely on instructions from and communicate directly with the person/assignee/attorney/firm/ organization who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct the above Firm and/or an attorney of that Firm in writing to the contrary.

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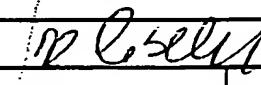
00909

00909

Date: 4-11-02

(1) INVENTOR'S SIGNATURE: 

Name	Michael	I.D.	West
First	Middle Initial	Family Name	
Residence	Boston	Massachusetts, U.S.A.	U.S.A.
City	State/Foreign Country		Country of Citizenship
Mailing Address	333 Commonwealth Avenue, #7, Boston, Massachusetts		
(include Zip Code)	02115		

(2) INVENTOR'S SIGNATURE: 

Date: 4-11-02

Name	Jose	I.D.	Cibelli
First	Middle Initial	Family Name	
Residence	Holden	Massachusetts, U.S.A.	Argentina
City	State/Foreign Country		Country of Citizenship
Mailing Address	21 Tamarock Circle, Holden, Massachusetts		
(include Zip Code)	01520		

FOR ADDITIONAL INVENTORS see attached page.

See additional foreign priorities on attached page (incorporated herein by reference).

Atty. Dkt. No. P0275459
(M#)

DECLARATION AND POWER OF ATTORNEY

(continued)

ADDITIONAL INVENTORS:

(3) INVENTOR'S SIGNATURE:

Date:

4/11/02

First	Middle Initial	Family Name
Residence	Clinton	Massachusetts, U.S.A.
City		State/Foreign Country
Mailing Address		35 South Meadow Road, Clinton, Massachusetts
(include Zip Code)		01510

(4) INVENTOR'S SIGNATURE:

Date:

First	Middle Initial	Family Name
Residence		
City		State/Foreign Country
Mailing Address		
(include Zip Code)		

(5) INVENTOR'S SIGNATURE:

Date:

First	Middle Initial	Family Name
Residence		
City		State/Foreign Country
Mailing Address		
(include Zip Code)		

(6) INVENTOR'S SIGNATURE:

Date:

First	Middle Initial	Family Name
Residence		
City		State/Foreign Country
Mailing Address		
(include Zip Code)		

(7) INVENTOR'S SIGNATURE:

Date:

First	Middle Initial	Family Name
Residence		
City		State/Foreign Country
Mailing Address		
(include Zip Code)		

(8) INVENTOR'S SIGNATURE:

Date:

First	Middle Initial	Family Name
Residence		
City		State/Foreign Country
Mailing Address		
(include Zip Code)		

(9) INVENTOR'S SIGNATURE:

Date:

First	Middle Initial	Family Name
Residence		
City		State/Foreign Country
Mailing Address		
(include Zip Code)		

**COMBINED DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATION**

Attorney's Docket No.
23523-0111

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I BELIEVE I AM THE ORIGINAL, FIRST AND SOLE INVENTOR (if only one name is listed below) OR AN ORIGINAL, FIRST AND JOINT INVENTOR (if more than one name is listed below) OF THE SUBJECT MATTER WHICH IS CLAIMED AND FOR WHICH A PATENT IS SOUGHT ON THE INVENTION ENTITLED:

TELOMERE RESTORATION AND EXTENSION OF CELL LIFESPAN IN ANIMALS CLONED FROM
SENESCENT SOMATIC CELLS

the specification of which

(check one)

is attached hereto;

was filed on March 16, 2000 as

Application No. 09/527,026

and was amended on _____
(if applicable)

I HAVE REVIEWED AND UNDERSTAND THE CONTENTS OF THE ABOVE-IDENTIFIED SPECIFICATION, INCLUDING THE CLAIMS, AS AMENDED BY ANY AMENDMENT REFERRED TO ABOVE;

I ACKNOWLEDGE THE DUTY TO DISCLOSE TO THE OFFICE ALL INFORMATION KNOWN TO ME TO BE MATERIAL TO PATENTABILITY AS DEFINED IN TITLE 37, CODE OF FEDERAL REGULATIONS, Sec. 1.56 (as amended effective March 16, 1992);

I do not know and do not believe the said invention was ever known or used in the United States of America before my or our invention thereof, or patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to said application; that said invention was not in public use or on sale in the United States of America more than one year prior to said application; that said invention has not been patented or made the subject of an inventor's certificate issued before the date of said application in any country foreign to the United States of America on any application filed by me or my legal representatives or assigns more than twelve months prior to said application;

I hereby claim foreign priority benefits under Title 35, United States Code §119 and/or §365 of any foreign application(s) for patent or inventor's certificate as indicated below and have also identified below any foreign application for patent or inventor's certificate on this invention having a filing date before that of the application(s) on which priority is claimed:

COUNTRY/INTERNATIONAL	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED
			YES_ NO_
			YES_ NO_

I hereby claim the benefit under 35 U.S.C. Section 119(e) of any United States provisional application(s) listed below:

APPLICATION SERIAL NO.	FILING DATE
60/179,486	February 1, 2000
60/152,340	September 7, 1999

I hereby claim the benefit under 35 U.S.C. Section 120 of any United States application(s), or Section 363(c) of any PCT International application designating the United States, listed below and, Insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. Section 112, I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, C.F.R., Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:

APPLICATION SERIAL NO.	FILING DATE	STATUS (patented, pending, abandoned)

I hereby appoint the following attorneys and agent(s) to prosecute said application and to transact all business in the Patent and Trademark Office connected therewith and to file, prosecute and to transact all business in connection with international applications directed to said invention:

Robin L. Teckin (Reg. No. 35,030)
Bonnie Weiss (Reg. No. 43,255)
Lawrence J. Gots (Reg. No. 31,163)

Samir Elamrani (Reg. No. 43,601)
Michelle S. Marks (Reg. No. 41,971)
Michael D. Bednarek (Reg. No. 32,329)

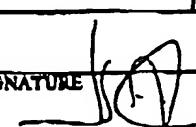
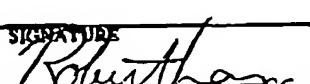
and: _____

Address all correspondence to:

SHAW PITTMAN
Attn: Technology/Patents
2300 N Street, N.W.
Washington, D.C. 20037-1128

Address all telephone calls to: Robin L. Teckin at (202) 663-8000.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

FULL NAME OF SOLE OR FIRST INVENTOR		SIGNATURE 	DATE 11-14-00
Michael D. Wall RESIDENCE Worcester, MA POST OFFICE ADDRESS One Innovation Drive, Worcester, MA 01603		CITIZENSHIP U.S.A.	
FULL NAME OF SECOND JOINT INVENTOR, IF ANY Jose Cibelli RESIDENCE Holden, MA POST OFFICE ADDRESS 21 Tamarock Circle, Holden, MA 01520		SIGNATURE 	DATE 11.14.00
CITIZENSHIP U.S.A. ARGENTINA			
FULL NAME OF THIRD JOINT INVENTOR, IF ANY Robert Lanza RESIDENCE Worcester, MA POST OFFICE ADDRESS One Innovation Drive, Worcester, MA 01603		SIGNATURE 	DATE 11-14-00
CITIZENSHIP U.S.A.			
FULL NAME OF FOURTH JOINT INVENTOR, IF ANY		SIGNATURE	DATE
RESIDENCE		CITIZENSHIP	
POST OFFICE ADDRESS			
FULL NAME OF FIFTH JOINT INVENTOR, IF ANY		SIGNATURE	DATE
RESIDENCE		CITIZENSHIP	
POST OFFICE ADDRESS			
FULL NAME OF SIXTH JOINT INVENTOR, IF ANY		SIGNATURE	DATE
RESIDENCE		CITIZENSHIP	
POST OFFICE ADDRESS			
FULL NAME OF SEVENTH JOINT INVENTOR, IF ANY		SIGNATURE	DATE
RESIDENCE		CITIZENSHIP	
POST OFFICE ADDRESS			
FULL NAME OF EIGHTH JOINT INVENTOR, IF ANY		SIGNATURE	DATE
RESIDENCE		CITIZENSHIP	
POST OFFICE ADDRESS			

Docket No.
23523-0111

**VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY
STATUS (37 CFR 1.9(f) AND 1.27 (c)) - SMALL BUSINESS CONCERN**

Serial No.
09/527,026

Filing Date
March 16, 2000

Patent No.

Issue Date

Applicant/
Patentee: Michael D. West et al.

Invention: **METHODS OF RESTORING TELOMERE LENGTH AND EXTENDING CELL LIFESPAN USING
NUCLEAR TRANSFER**

I hereby declare that I am:

- the owner of the small business concern identified below;
 an official of the small business concern empowered to act on behalf of the concern identified below;

NAME OF CONCERN: Advanced Cell Technology, Inc.

ADDRESS OF CONCERN: One Innovation Drive, Worcester, Massachusetts 01605 U.S.A.

I hereby declare that the above-identified small business concern qualifies as a small business concern as defined in 13 CFR 121.3-18, and reproduced in 37 CFR 1.9(d), for purposes of paying reduced fees under Section 41(a) and (b) of Title 35, United States Code. In that the number of employees of the concern, including those of its affiliates, does not exceed 500 persons. For purposes of this statement, (1) the number of employees of the business concern is the average over the previous fiscal year of the concern of the persons employed on a full-time, part-time or temporary basis during each of the pay periods of the fiscal year, and (2) concerns are affiliates of each other when either, directly or indirectly, one concern controls or has the power to control the other, or a third party or parties controls or has the power to control both.

I hereby declare that rights under contract or law have been conveyed to and remain with the small business concern identified above with regard to the above identified invention described in:

- the specification filed herewith with title as listed above.
 the application identified above.
 the patent identified above.

If the rights held by the above-identified small business concern are not exclusive, each individual, concern or organization having rights to the invention is listed on the next page and no rights to the invention are held by any person, other than the inventor, who could not qualify as an independent inventor under 37 CFR 1.9(c) or by any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e).

Each person, concern or organization to which I have assigned, granted, conveyed, or licensed or am under an obligation under contract or law to assign, grant, convey, or license any rights in the invention is listed below:

- no such person, concern or organization exists.
 each such person, concern or organization is listed below.

FULL NAME	_____		
ADDRESS	<input type="checkbox"/> Individual	<input type="checkbox"/> Small Business Concern	<input type="checkbox"/> Nonprofit Organization
FULL NAME	_____		
ADDRESS	<input type="checkbox"/> Individual	<input type="checkbox"/> Small Business Concern	<input type="checkbox"/> Nonprofit Organization
FULL NAME	_____		
ADDRESS	<input type="checkbox"/> Individual	<input type="checkbox"/> Small Business Concern	<input type="checkbox"/> Nonprofit Organization
FULL NAME	_____		
ADDRESS	<input type="checkbox"/> Individual	<input type="checkbox"/> Small Business Concern	<input type="checkbox"/> Nonprofit Organization

Separate verified statements are required from each named person, concern or organization having rights to the invention according to their status as small entities. (37 CFR 1.27)

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

NAME OF PERSON SIGNING:

MICHAEL WEST

TITLE OF PERSON SIGNING

PRESIDENT

OTHER THAN OWNER:

ADDRESS OF PERSON SIGNING:
Advanced Cell Technology, Inc.
One Innovation Drive
Worcester, MA 01605 U.S.A.

SIGNATURE:



DATE:

Inventor(s): WEST et al. Atty. Dkt.
Appln. No.: 09/527,026 or Patent No.: 275459/
Filed: March 16, 2000 or Issued.: M# / Client Ref.
Title: TELOMERE RESTORATION AND EXTENSION OF CELL LIFESPAN IN ANIMALS CLONED FROM
SENESCENT SOMATIC CELLS

**SMALL ENTITY STATEMENT CLAIMING SMALL ENTITY STATUS
(37 CFR 1.9(d) and 1.27 (c)) - SMALL BUSINESS CONCERN**

I hereby state that I am

- the owner of the small business concern identified below:
 an official of the small business concern empowered to act on behalf of the concern identified below:
NAME OF CONCERN Advanced Cell Technology, Inc.
ADDRESS OF CONCERN One Innovation Drive, Worcester, Massachusetts 01605 USA

I hereby state that the above identified small business concern qualifies as a small business concern as defined in 13 CFR 121.12, and reproduced in 37 CFR 1.9(d), for purposes of paying reduced fees under Section 41(a) and (b) of Title 35, United States Code, in that the number of employees of the concern, including those of its affiliates, does not exceed 500 persons. For purposes of this statement, (1) the number of employees of the business concern is the average over the previous fiscal year of the concern of the persons employed on a full-time, part-time or temporary basis during each of the pay periods of the fiscal year, and (2) concerns are affiliates of each other when either, directly or indirectly, one concern controls or has the power to control the other, or a third party or parties controls or has the power to control both.

I hereby state that rights under contract or law have been conveyed to and remain with the small business concern identified above with regard to the invention entitled: TELOMERE RESTORATION AND EXTENSION OF CELL LIFESPAN IN ANIMALS CLONED FROM SENESCENT SOMATIC CELLS
by inventor(s) WEST et al. described in

- x → the specification filed herewith,
one → Application No. 009/527,026, filed March 16, 2000
box → Patent No. , issued

If the rights held by the above identified small business concern are not exclusive, each small entity individual, concern or organization having rights to the invention is listed in (A) and (B) below and no rights to the invention are held by any person, other than the inventor, who could not qualify under 37 CFR 1.9(c) as an independent inventor if that person had made the invention, or by any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e).

(A) FULL NAME of assignee/licensee/grantee/conveyee*
ADDRESS
 INDIVIDUAL SMALL BUSINESS CONCERN NONPROFIT ORGANIZATION

(B) FULL NAME of assignee/licensee/grantee/conveyee*
ADDRESS
 INDIVIDUAL SMALL BUSINESS CONCERN NONPROFIT ORGANIZATION

*NOTE: Separate statement is required from each person, concern or organization named in (A) and (B) above having rights to the invention, averring to his/her/its status as a small entity. (37 CFR 1.27)

I acknowledge the duty to file, in this case, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))

NAME OF PERSON SIGNING Michael D. West, Ph.D.
TITLE OF PERSON OTHER THAN OWNER President
ADDRESS OF PERSON SIGNING Advanced Cell Technology, Inc.
One Innovation Drive
Worcester, MA 01605 USA

SIGNATURE

DATE

6-28-01